



SOFTWARE RELEASE NOTES

OBDxxx-R2000 Firmware v1.62



Software Details

Software Name: R2000 OBD device firmware

Release Version: 1.62

Release Date: June 2022

Release Notes for Firmware Version 1.62

Description

This firmware release is a minor update for all OBDxxx devices.

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #70112342)
- OBD30M-R2000-1L-Y70112344 (order number #70112344)
- OBD30M-R2000-4EP-V1V17-1L (order number #70112345)
- OBD30M-R2000-4EP-V1V17-T-1L (order number #70112346)
- OBD60M-R2000-1L-Y70132754 (order number #70132754)
- OBD60M-R2000-4EP-V1V17-T-1L (order number #70137274)

New Features

- None.

Bug Fixes

- Several minor internal improvements.

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

System Requirements

- Firmware v1.62 requires R2000 devices with hardware revision 1.72 or newer. Devices with older hardware revisions cannot be upgraded.

Compatibility Notes

- Firmware v1.62 is backwards compatible to firmware v1.0x, v1.2x and v1.60.



Release Notes for Firmware Version 1.60

Description

This firmware release is a minor update for all OBDxxx devices.

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #70112342)
- OBD30M-R2000-1L-Y70112344 (order number #70112344)
- OBD30M-R2000-4EP-V1V17-1L (order number #70112345)
- OBD30M-R2000-4EP-V1V17-T-1L (order number #70112346)
- OBD60M-R2000-1L-Y70132754 (order number #70132754)
- OBD60M-R2000-4EP-V1V17-T-1L (order number #70137274)

New Features

- Added support for extended measurement range (OBD60M devices)

Bug Fixes

- Various internal fixes and improvements.

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

System Requirements

- Firmware v1.60 requires R2000 devices with hardware revision 1.63 or newer. Devices with older hardware revisions cannot be upgraded.

Compatibility Notes

- Firmware v1.60 is backwards compatible to firmware v1.0x and v1.2x.

Release Notes for Firmware Version 1.21

Description

This is a maintenance firmware update for R2000 Detection devices (OBDxxx-R2000).

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #253403)
- OBD30M-R2000-4EP-V1V17-1L (order number #275236)
- OBD30M-R2000-4EP-V1V17-T-1L (order number #279200)

Changes

- HMI: Major rework of internal mechanics for updating content on the HMI LED display. Information is now displayed more consistently, especially in case of changes to the display state (e.g. application updates, parameter changes, error messages, etc.).
- HMI: Added item "*Product info*" to HMI menu.

Bug Fixes

- Static Ethernet configuration: The configured gateway address is now used by the sensor.
- Detection application: Some valid field configurations are no longer rejected by the sensor.
- Detection application: Field evaluation did not work correctly for clockwise scan direction.
- Detection application: Field evaluation algorithm "*none*" is no longer rejected by the sensor.
- Detection application: Applying a new configuration no longer fails for some rare cases.
- HMI: Tool "Adjustment aid" is now working properly on detection devices.
- HMI: Fixed display issues for "*hmi_static_text*" in some special cases.
- Various improvements to firmware stability (during startup and long-term operation).
- Various minor internal fixes.

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

System Requirements

- Firmware v1.21 requires R2000 devices with hardware revision 1.00.

Compatibility Notes

- Firmware v1.21 is backwards compatible to firmware v1.08, v1.09 and v1.20.



Release Notes for Firmware Version 1.20

Description

This is the first major firmware update for R2000 Detection devices (OBDxxx-R2000).

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #253403)

Changes

- HMI: Added capability to display a user-defined static logo or user-defined static text.
- HMI menu: Added tool "Alignment aid".
- HMI menu: Added submenu showing version information.
- HMI: Display mode '*I/Q status*' shows state instead of line level for I/Q pins configured as output. (This change is noticeable for output configurations '*N-switching*' and '*P-switching*' only.)
- HMI: Display boot animation is now shown until device is ready.
- Parameter "*user tag*" now accepts up to 32 UTF8 characters (instead of 32 ASCII chars).

Bug Fixes

- Fixed sporadic defect message while changing direction of rotation.
- Various minor internal fixes.

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

System Requirements

- Firmware v1.20 requires R2000 devices with hardware revision 1.00. Older devices cannot be upgraded.

Compatibility Notes

- Firmware v1.20 is backwards compatible to firmware v1.08 and v1.09.



Release Notes for Firmware Version 1.09

Description

This is a hotfix release for R2000 Detection devices with firmware version 1.08.

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #253403)

Bug Fixes

- Display firmware might lock up permanently under rare conditions.

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

Compatibility Notes

- Firmware v1.09 is entirely compatible to firmware version 1.08.



Release Notes for Firmware Version 1.08

Description

This is the initial firmware release for R2000 Detection devices (OBD10M-R2000).

Supported Products

- OBD10M-R2000-4EP-V1V17 (order number #253403)

Known Issues

- Pins I/Q2 and I/Q4 might show a short pulse during device power-up.

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Process interfaces

- Intrinsically safe barriers
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- Industrial monitors and HMI solutions
- Explosion protection equipment
- Solutions with process interfaces

Industrial sensors

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- Photoelectric sensors
- Industrial vision
- Ultrasonic sensors
- Rotary encoders
- Positioning systems
- Inclination and acceleration sensors
- AS-Interface
- Identification systems
- Logic control units